BRUHAT BENGALURU MAHANAGARA PALIKE

Name Of Work:- Construction of R C C Drains 6th and 7th cross in Kalalanagar in Ward No.15 (SCP/TSP Works Block No 76)

Estimated Cost

Rs :- 12.68 Lakh

Office of the
Executive Engineer
Hebbal Division
BBMP, BENGALURU

BRUHAT BANGALORE MAHANAGARA PALIKE

me Of Work:- Construction of R C C Drains 6th and 7th cross in Kalalanagar in Ward No.15 (SCP/TSP Works Block No 76)

Code :-

EST Cost 12.68 Lakhs

Description	Unit	Nos	Length	Width	Depth	Qty	Rate	Amount
arth work excavation by manual means for drains,canals and similar works in all kinds of soils as per drawing and technical specifications, including setting out, shoring, strutting, arricading, caution lights, re- moval of stumps and other deleterious matter, excavated urface lev- eled and sides neatly dressed disposing off the excavated stuff or sort- ing & tacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of abour, tools & other appurtenaces required to complete the work.In all kinds of soils Depth pto 1.5 m (PWD,CSR 2023-24. Vol -1, Pg No-5, I. No-1.4.1)								
or Drain Work	Cum	1	151.45	0.90	0.90	122.67		
Basic Rate	242.00					122.67	266.20	32655.00
Add 10% Area weightage	24.20							
Total	266.20							
roviding and laying in position plain cement concrete for levelling course for all works n foundation. The granite/trap/basalt crushed graded coarse aggregates and fine ggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm hickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances equired to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 Using 40 mm nominal size graded crushed oarse aggregates(PWD,CSR 2023-24. Vol -1, Pg No-15, I. No-2.1.3)								
	Cum	1	151.45	0.90	0.15	20.45		
Basic Rate	5989.00					20.45	6587.90	134695.00
Add 10% Area weightage	598.90							
Total	6587.90							
Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately)M20 Design Mix Using 20 mm and down size graded crushed coarse aggregates (PWD,CSR 2023-24. Vol -1, Pg No-16, I. No-2.4.2)								
Drain Btm	Cum	1	151.45	0.90	0.15	20.45		
Walls		2	151.45	0.15	0.60	27.26		
Basic Rate	6313.00					47.71	6955.30	331815.00
Add 10% Area weightage	631.30							
Total	6944.30							

Appendix I – Additionalities for Formwork, Centering & Scaffolding								
Foundation, Sub structure of Cross drainages 5%(PWD,CSR 2023-24. Vol -1, Pg No-111, S. No								
Basic Rate	6323.00	Qty Vide Item no 3				47.71	347.77	16591.00
Formwork, Centering & Scaffolding5%	316.15							
Add 10% Area weightage	31.62							
	347.77							
Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification (PWD,CSR 2023-24. Vol -1, Pg No-18, I. No-2.11.h) All other type of structures								
T.M.T steel for reinforcement (45Kg/Cum)		1	47.71	45.00		2145.60		
	MT		tonne	2145.60	/1000=	2.15		
Basic Rate	79011.00					2.15	86912.10	186479.00
Add 10% Area weightage	7901.10							
Total	86912.10							
Providing and laying 100mm thick pre-cast cover slabs over Existing Drain using M20 concrete reinforced slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including: of labour, materials, machinery,lead and lift charges etc, Complete.								
	Sqm	1	151.45	0.90		136.31		
						136.31	2072.00	282424.00
Data Rate	2072.00							
Loading and Unloading of Stone Boulder/ Stone aggregates/Sand/Kankar/Moorum. (Tipper 10 m3) complete as per directions of Engineer-in-charge.(PWD,CSR 2023-24. Vol -3, Pg No-5, I. No 1.1)								
	Cum	Qty vide Item No 1				122.67		
Basic Rate	119.00					122.67	130.90	16058.00
Add 10% A.W	11.90							
Total	130.90							
Cost of Haulage Excluding Loading and Unloading Case-1 : Surfaced Road (Taking output 10 tonnes load and lead 10 km = 100 t.km) complete as per directions of Engineer-in-charge.(PWD,CSR 2023-24. Vol -3, Pg No-3, I. No-1.4A)								
10 Km X 1.28t of item No 7	T/km	1	10.00	122.67	1.28	1570.18		
Basic Rate	12.00					1570.18	13.20	20726.00
Add 10% A.W	1.20							
Total	13.20							
							SUB TOTAL	1021443.00
							Add Tender Primium charges @ 5%	51072.15
							GST 18%	193052.73
							Micelleneous and rounding off	2432.12
							TOTAL	1268000.00

rtificate

The workspot was inspected and works is found to be necessary.

The area comes within the Bruhat Bangalore Mahanagara Palike limits.

The rates adopted based on the PWD SR,Bangalore circle for year 2023-24

Assistant Engineer

Executive Engineer

ADMINISTRATIVELY SANCTIONED FOR

(Rupees Twelve Lakhs Sixty Eight Thousand only) ₹ 12.68

Under the Head of Account P-1878 SCP-TSP [24.10] ...

Registered as no EE(D.D.)/AS-37 ... Subject

to conditions contained in Enclosed Memo

No. EE/DD/AS/37/2023-24 ... Dt: 06/02/2024

Exe. Engr.

(DASARAHALLI) BBMP

Technically Sanctione for Rs 12.68 Lakhs

Rs In words : Twelve Lakhs Sixty Eight Thousand only

Under - 1878 SCP-TSP [24.10] ...

Job Code No

Registered as CE No 16/2023-24 Subject

to conditions contained in Enclosed Memo

No EE/DD/TS/16/2023-24 Dt. 06/02/2024

AE/JE Executive Engineer